

## M 5.4, 18 km E of Yedisu, Turkey

Origin Time: 2020-06-15 06:51:31 UTC (Mon 09:51:31 local)

Location: 39.4146° N 40.7491° E Depth: 10.0 km

Created: 1 day, 0 hours after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



### Estimated Economic Losses

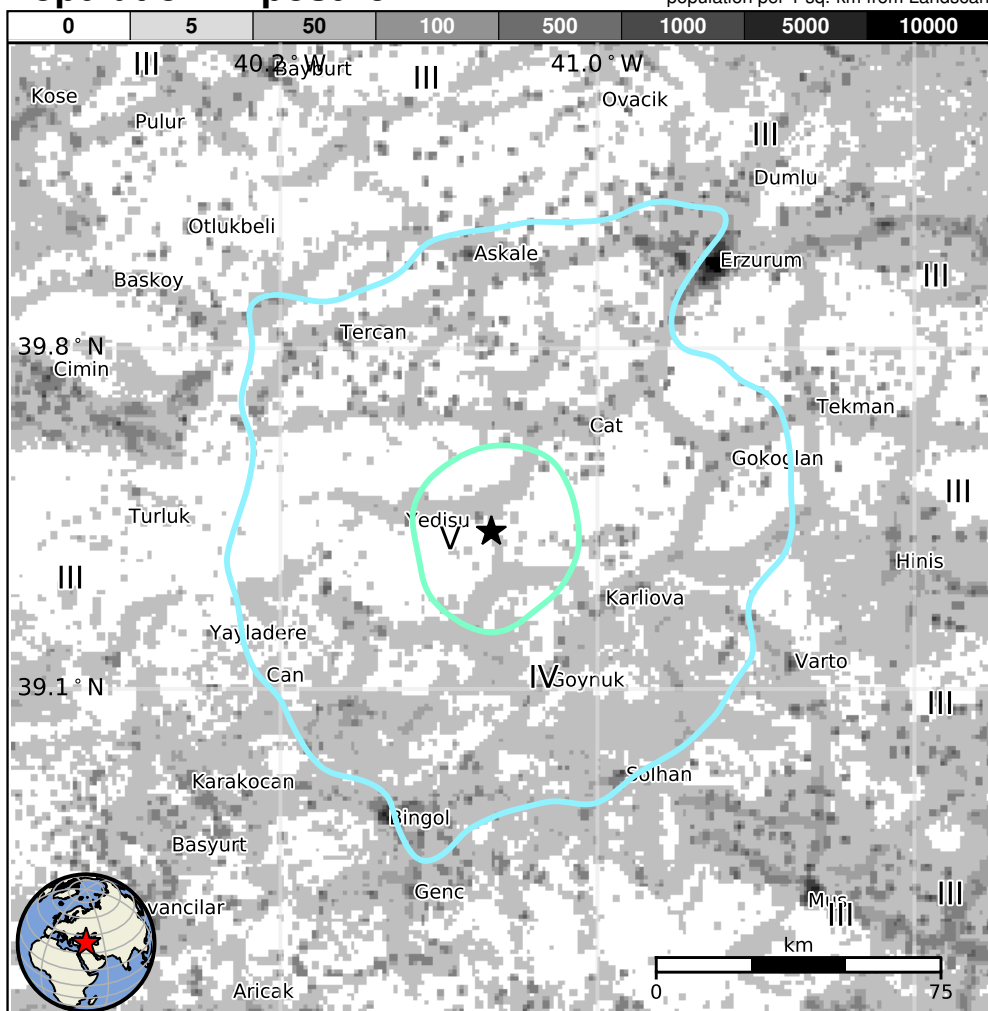


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,498k*	428k	9k	2k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2004-07-30	274	4.8	VI(2k)	1
1976-03-25	252	4.8	VI(1k)	1
1988-12-07	331	6.7	IX(50k)	25k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Yedisu	2k
IV	Cat	<1k
IV	Karliova	9k
IV	Goynuk	<1k
IV	Adakli	<1k
IV	Ciftlik	<1k
IV	Bingol	81k
III	Erzurum	421k
III	Bayburt	31k
III	Mus	83k
III	Cimmin	40k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000ac28#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000ac28